BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: MAINTENANCE AND REPAIR WORKS AT PRIMARY HEALTH CENTER AT AGRAHARA LAYOUT IN WARD NO. 05

MEASUREMENT SHEET

Second & Final Bill

Client — **Sri. Gnanendra Murthy M D #410, Balaji Nilaya, 5th Main Raod, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Bangalore- 60**

Chainage in m From	To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
		Item No.01 Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clodscomplete and as per the directions of the Engineer-in-charge									
			cum								
		Qty Recorded in First and part Bill						160.82			
		Tender Quantity						90.45			
		DPQ Paid in 1st part Bill Pg. No.									
		Quantity Upto 125%						113.06			
		Quantity Above 125%						47.76			
		Present Bill Quantity						Nill			
		Item No. 02 Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete and as per the directions of the Engineer-in-charge									
			cum								
		Qty Recorded in First and part Bill						26.77			
		Tender Quantity						15.08			
		DPQ Paid in 1st part Bill Pg. No.									
		Quantity Upto 125%						18.85			
		Quantity Above 125%						7.92			
		Present Bill Quantity						Nill			
		Item No. 03 Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed. concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete and as per the directions of the Engineer-in-charge									
		Qty Recorded in First and part Bill						26.77			
		Tender Quantity						15.08			
		DPQ Paid in 1st part Bill Pg. No.									
		Quantity Upto 125%						18.85			
		Quantity Above 125%						7.92			
		Present Bill Quantity						Nill			
		Item No. 04 Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete and as per the directions of the Engineer-in-charge									
		Qty Recorded in First and part Bill						24.72			
		Present Bill Measurement									
		Coping concrete									
		Compound wall									
		South Side									
0	30		Sqm	1	30.00	0.20	0.10	0.60			
30	50.65		Sqm	1	20.65	0.20	0.10	0.41			
		East Side									
0	30		Sqm	1	30.00	0.20	0.10	0.60			
30	54.8		Sqm	1	24.80	0.20	0.10	0.50			

CONTRACTOR

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: MAINTENANCE AND REPAIR WORKS AT PRIMARY HEALTH CENTER AT AGRAHARA LAYOUT IN WARD NO. 05

MEASUREMENT SHEET

Second & Final Bill

Client	Sri. Gnanendra Murthy M D #410, Balaji Nilaya, 5th Main Raod, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Bangalore- 60

Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
From	To										
0	30		Sqm	1	30.00	0.20	0.10	0.60			
30	47.7		Sqm	1	17.70	0.20	0.10	0.35			
		North Side									
0	30		Sqm	1	30.00	0.20	0.10	0.60			
30	60		Sqm	1	30.00	0.20	0.10	0.60			
60	80.35		Sqm	1	20.35	0.20	0.10	0.41			
		Total Executed Quantity						29.39			
		Tender Quantity						26.50			
		Quantity Upto 125%						29.39			
		DPQ Paid in 1st part Bill Pg. No.									
		Quantity Upto 125%						24.72			
		Now To be Paid Qty									
		Quantity Upto 125%						4.67	6143.86	28691.83	
Item No. 05		Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, mortar including cutting, griding the edge to half/full round wherever required, labour, curing complete and as per the directions of the Engineer-in-charge									
		Qty Recorded in First and part Bill						59.72			
		Modified Schedule B Qty						59.72			
		Present Bill Quantity						Nill			
Item No. 06		Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing complete and as per the directions of the Engineer-in-charge									
			cum								
		Qty Recorded in First and part Bill						80.69			
		Tender Quantity						48.24			
		Quantity Upto 125%						60.30			
		Quantity Above 125%						20.39			
		DPQ Paid in 1st Part Bill Pg. No.									
		Quantity Upto 125%						60.30			
		Quantity Above 125%						20.39			
		Present Bill Quantity						Nill			
Item No. 07		Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete and as per the directions of the Engineer-in-charge									
			cum								
		Qty Recorded in First and part Bill						25.16			
		Tender Quantity						12.06			
		Quantity Upto 125%						15.08			
		Quantity Above 125%						10.08			
		DPQ Paid in 1st Part Bill Pg. No.									
		Quantity Upto 125%						15.08			
		Quantity Above 125%						10.08			
		Present Bill Quantity						Nill			

CONTRACTOR

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: MAINTENANCE AND REPAIR WORKS AT PRIMARY HEALTH CENTER AT AGRAHARA LAYOUT IN WARD NO. 05

MEASUREMENT SHEET

Second & Final Bill

Client — **Sri. Gnanendra Murthy M D #410, Balaji Nilaya, 5th Main Raod, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Bangalore- 60**

Chainage in m From	Chainage in m To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
		Item No. 08 Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete and as per the directions of the Engineer-in-charge									
			Sqm								
		Qty Recorded in First and part Bill						**135.67**			
		Tender Quantity						**78.39**			
		Quantity Upto 125%						**97.99**			
		Quantity Above 125%						**37.68**			
		DPQ Paid in 1st Part Bill Pg. No.									
		Quantity Upto 125%						**97.99**			
		Quantity Above 125%						**37.68**			
		Present Bill Quantity						**Nill**			
		Item No.09 Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar 1:4 , edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, scaffolding, curing complete and as per the directions of the Engineer-in-charge									
		Compound wall									
		South Side									
0	30		Sqm	1	30.00	0.45	0.40	5.40			
30	50.65		Sqm	1	20.65	0.45	0.40	3.72			
		East Side									
0	30		Sqm	1	30.00	0.45	0.40	5.40			
30	54.8		Sqm	1	24.80	0.45	0.40	4.46			
0	30		Sqm	1	30.00	0.45	0.40	5.40			
30	47.7		Sqm	1	17.70	0.45	0.40	3.19			
		North Side									
0	30		Sqm	1	30.00	0.45	0.40	5.40			
30	60		Sqm	1	30.00	0.45	0.40	5.40			
60	80.35		Sqm	1	20.35	0.45	0.40	3.66			
		Total Executed Quantity						**42.03**			
		Tender Quantity						**27.13**			
		Now To be Paid Qty									
		Quantity Upto 125%						**33.91**	**6804.48**	**230756.93**	
		Quantity Above 125%						**8.12**	**6804.48**	**55235.38**	
		Item No. 10 Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining. including cost of materials, labour, curing complete and as per the directions of the Engineer-in-charge									
		Compound wall									
		South Side									
0	30		Sqm	1	30.00		0.40	12.00			
30	50.65		Sqm	1	20.65		0.40	8.26			
		East Side									
0	30		Sqm	1	30.00		0.40	12.00			
30	54.8		Sqm	1	24.80		0.40	9.92			
0	0										
0	30		Sqm	1	30.00		0.40	12.00			
30	47.7		Sqm	1	17.70		0.40	7.08			

CONTRACTOR

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BRUHAT BANGALORE MAHANAGARA PALIKE

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MEASUREMENT SHEET

Second & Final Bill

Client — **Sri. Gnanendra Murthy M D #410, Balaji Nilaya, 5th Main Raod, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Bangalore- 60**

Chainage in m From	Chainage in m To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
		North Side									
0	30		Sqm	1	30.00		0.40	12.00			
30	60		Sqm	1	30.00		0.40	12.00			
60	80.35		Sqm	1	20.35		0.40	8.14			
		Total Executed Quantity						**93.40**			
		Modified Schedule -B Quantity						**93.40**			
		Now To be Paid Qty						**93.40**	**160.91**	**15028.99**	
Item No. 11		Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc.,complete and as per the directions of the Engineer-in-charge									
Measurements taken on											
		Compound wall									
		South Side									
0	30		Sqm	1	30.00		1.60	48.00			
30	50.9		Sqm	1	20.90		1.60	33.44			
		East Side									
0	30		Sqm	1	30.00		1.85	55.50			
30	54.8		Sqm	1	24.80		1.85	45.88			
0	30		Sqm	1	30.00		2.00	60.00			
30	47.7		Sqm	1	17.70		2.00	35.40			
		North Side									
0	30		Sqm	1	30.00		0.40	12.00			
30	60		Sqm	1	30.00		0.40	12.00			
60	80.6		Sqm	1	20.60		0.40	8.24			
		Total Executed Quantity						**310.46**			
		Modified Schedule -B Quantity						**310.46**			
		Now To be Paid Qty						**310.46**	**1033.42**	**320835.57**	
Item No. 12		Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete and as per the directions of the Engineer-in-charge									
		Compound wall									
		South Side									
0	30		Sqm	2	30.00		1.60	96.00			
30	50.9		Sqm	2	20.90		1.60	66.88			
		Top									
0	30		Sqm	1	30.00	0.20		6.00			
30	50.9		Sqm	1	20.90	0.20		4.18			

CONTRACTOR ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

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MEASUREMENT SHEET

Second & Final Bill

Client — **Sri. Gnanendra Murthy M D #410, Balaji Nilaya, 5th Main Raod, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Bangalore- 60**

Chainage in m From	Chainage in m To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
		East Side									
0	30		Sqm	2	30.00		1.85	111.00			
30	54.8		Sqm	2	24.80		1.85	91.76			
0	30		Sqm	2	30.00		2.00	120.00			
30	47.7		Sqm	2	17.70		2.00	70.80			
		Top									
0	30		Sqm	1	30.00	0.20		6.00			
30	54.8		Sqm	1	24.80	0.20		4.96			
0	30		Sqm	1	30.00	0.20		6.00			
30	47.7		Sqm	1	17.70	0.20		3.54			
		North Side									
0	30		Sqm	2	30.00		0.40	24.00			
30	60		Sqm	2	30.00		0.40	24.00			
60	80.6		Sqm	2	20.60		0.40	16.48			
		Top									
0	30		Sqm	1	30.00	0.20		6.00			
30	60		Sqm	1	30.00	0.20		6.00			
60	80.6		Sqm	1	20.60	0.20		4.12			
		Columns	sqm	2	1.60		1.60	5.12			
		top	sqm	2	0.40	0.40		0.32			
		Total Executed Quantity						**673.16**			
		Modified Schedule -B Quantity						**673.16**			
		Now To be Paid Qty						**673.16**	**295.75**	**199087.07**	
Item No. 13		Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains,complete and as per the directions of the Engineer-in-charge									
Measurements taken on											
		Compound wall									
		South Side									
0	30		Sqm	2	30.00		1.60	96.00			
30	50.9		Sqm	2	20.90		1.60	66.88			
		Top									
0	30		Sqm	1	30.00	0.20		6.00			
30	50.9		Sqm	1	20.90	0.20		4.18			
		East Side									
0	30		Sqm	2	30.00		1.85	111.00			
30	54.8		Sqm	2	24.80		1.85	91.76			

CONTRACTOR ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE

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MEASUREMENT SHEET

Second & Final Bill

Client — **Sri. Gnanendra Murthy M D #410, Balaji Nilaya, 5th Main Raod, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Bangalore- 60**

Chainage in m From	To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
0	30		Sqm	2	30.00		2.00	120.00			
30	47.7		Sqm	2	17.70		2.00	70.80			
		Top									
0	30		Sqm	1	30.00	0.20		6.00			
30	54.8		Sqm	1	24.80	0.20		4.96			
0	30		Sqm	1	30.00	0.20		6.00			
30	47.7		Sqm	1	17.70	0.20		3.54			
		North Side									
0	30		Sqm	2	30.00		0.40	24.00			
30	60		Sqm	2	30.00		0.40	24.00			
60	80.6		Sqm	2	20.60		0.40	16.48			
		Top									
0	30		Sqm	1	30.00	0.20		6.00			
30	60		Sqm	1	30.00	0.20		6.00			
60	80.6		Sqm	1	20.60	0.20		4.12			
		Columns	sqm	2	1.60		1.60	5.12			
		top	sqm	2	0.40	0.40		0.32			
		Total Executed Quantity						**673.16**			
		Modified Schedule -B Quantity						**673.16**			
		Now To be Paid Qty						**673.16**	**385.27**	**259348.35**	
	E1	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates									
			Cum								
		Qty Recorded in First and part Bill						**1.44**			
		Present Bill Quantity						**Nill**			
	E2	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates									
		Measurements taken on									
			Rmtr.					**50.00**			
							Total Executed Quantity	**50.00**			
			Cum								
		Qty Recorded in First and part Bill						**0.51**			
		Present Bill Quantity						**Nill**			

CONTRACTOR ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

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Chainage in m From	Chainage in m To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
E3		Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately)									
		Qty Recorded in First and part Bill						**199.82**			
		Present Bill Quantity						**Nill**			
E4		Fabricating, providing and erecting in position of MS Hot Dip Galvanised Sq. Hallow Poles of 132 X 132 Heavy gauge of length 3000mm with MS. Hot dip Galvanised grill work as per approved design and drawing of chief architect. Using 12 X 75mm galvanised flat for alround frame and 20 X 20mm galvanised forged design with square for vertical at 150mm c/c as shown in the drawing including providing forged ornamental arrowhead at top and bottom. The work is inclusive of throughing flat, square rods, placing welding all the joints, including grinding, finishing 2 coats of anticorrosive paint over one coat of metal primer. The rate is inclusive of all materials like MS. Hollow galvanized pipe, flats, forged square rods, cost of labour for all items of work cost painting, welding, cutting, grinding with all lead and lift as per specification including loading and unloading with cost and conveyance of all materials, labour, machinery andincidental charges for the successful completion of the work as per the direction of the Engineer-in-charge of the work. (Data Rate)									
		Qty Recorded in First and part Bill						**20.36**			
		Compound wall									
		East Side	Sqm	1	30.00		0.40	21.92			
			Sqm	1	30.00		0.40	19.08			
		Total Executed Quantity						**61.36**			
		DPQ Paid in 1st part Bill Pg. No.						**20.36**			
		Now To be Paid Qty						**41.00**	**9593.88**	~~393349.28~~	
									TOTAL AMOUNT	1502333.40	

1502313.72

CONTRACTOR ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER